

Refine Search

Search Results -

| Terms | Documents |
|--|-----------|
| L1 and monitoring and components and (sub-components or subcomponents or sub adj components) | 41 |

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L2

Search History

DATE: Sunday, February 27, 2005 [Printable Copy](#) [Create Case](#)

| <u>Set</u> <u>Name</u> side by side | <u>Query</u> | <u>Hit</u> <u>Count</u> | <u>Set</u> <u>Name</u> result set |
|--|--|----------------------------|---|
| <i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR</i> | | | |
| <u>L2</u> | L1 and monitoring and components and (sub-components or subcomponents or sub adj components) | 41 | <u>L2</u> |
| <u>L1</u> | "automation system" | 5030 | <u>L1</u> |

END OF SEARCH HISTORY

Hit List

Clear

Generate Collection

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Fwd Refs

Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 41 of 41 returned.☐ 1. Document ID: US 20050033453 A1**Using default format because multiple data bases are involved.**

L2: Entry 1 of 41

File: PGPB

Feb 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050033453

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050033453 A1

TITLE: Controller with configurable connections between data processing components

PUBLICATION-DATE: February 10, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|------------------|-------------|-------|---------|---------|
| Coogan, James J. | Des Plaines | IL | US | |
| Seribo, Virgil | Deerfield | IL | US | |

US-CL-CURRENT: 700/2; 700/42

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | RWC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|

☐ 2. Document ID: US 20050010931 A1

L2: Entry 2 of 41

File: PGPB

Jan 13, 2005

PGPUB-DOCUMENT-NUMBER: 20050010931

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050010931 A1

TITLE: System and method for communicating between software applications, particularly mes (manufacturing execution system) applications

PUBLICATION-DATE: January 13, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-----------------|----------|-------|---------|---------|
| Langkafel, Dirk | Erlangen | | DE | |
| Thurner, Elmar | Nurnberg | | DE | |

US-CL-CURRENT: 719/328

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 3. Document ID: US 20040267395 A1

L2: Entry 3 of 41

File: PGPB

Dec 30, 2004

PGPUB-DOCUMENT-NUMBER: 20040267395

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040267395 A1

TITLE: System and method for dynamic multi-objective optimization of machine selection, integration and utilization

PUBLICATION-DATE: December 30, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|------------------------|----------------|-------|---------|---------|
| Discenzo, Frederick M. | Brecksville | OH | US | |
| Pai, Ramdas M. | Racine | WI | US | |
| Schaller, Gerald Peter | Madison | OH | US | |
| Roote, Michael Scott | Chesterland | OH | US | |
| Novak, Richard James | Avon | OH | US | |
| Jensen, David Lee | Barneveld | WI | US | |
| Ference, John Crandall | Cuyahoga Falls | OH | US | |
| Williams, Bennet Ray | Twinsburg | OH | US | |

US-CL-CURRENT: 700/99; 700/108, 700/111, 702/182, 705/8

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
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☐ 4. Document ID: US 20040260954 A1

L2: Entry 4 of 41

File: PGPB

Dec 23, 2004

PGPUB-DOCUMENT-NUMBER: 20040260954

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040260954 A1

TITLE: Biometrics PLC access and control system and method

PUBLICATION-DATE: December 23, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------|---------|-------|---------|---------|
| Morse, Carl P. | Milford | NH | US | |

US-CL-CURRENT: 713/202

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
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☐ 5. Document ID: US 20040260557 A1

L2: Entry 5 of 41

File: PGPB

Dec 23, 2004

PGPUB-DOCUMENT-NUMBER: 20040260557

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040260557 A1

TITLE: System and method for voice output from an automation system

PUBLICATION-DATE: December 23, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------|---------|-------|---------|---------|
| Morse, Carl P. | Milford | NH | US | |

US-CL-CURRENT: 704/272

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|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 6. Document ID: US 20040255291 A1

L2: Entry 6 of 41

File: PGPB

Dec 16, 2004

PGPUB-DOCUMENT-NUMBER: 20040255291

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040255291 A1

TITLE: Installing software using programmatic component dependency analysis

PUBLICATION-DATE: December 16, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-------------------------|--------------|-------|---------|---------|
| Sierer, Brian H. | Austin | TX | US | |
| Sommerville, Jason D. | Austin | TX | US | |
| Klemett, Kristofer J. | Austin | TX | US | |
| Salem, Narendrakumar U. | Austin | TX | US | |
| Wendland, Wesley N. | Pflugerville | TX | US | |

US-CL-CURRENT: 717/174

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|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 7. Document ID: US 20040225952 A1

L2: Entry 7 of 41

File: PGPB

Nov 11, 2004

PGPUB-DOCUMENT-NUMBER: 20040225952

PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040225952 A1

TITLE: Architecture for distributed computing system and automated design,
deployment, and management of distributed applications

PUBLICATION-DATE: November 11, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|-------------|-------|---------|---------|
| Brown, Mathilde C. | Seattle | WA | US | |
| Chase, Charlie D. | Woodinville | WA | US | |
| Grealish, Kevin | Seattle | WA | US | |
| Hunt, Galen C. | Bellevue | WA | US | |
| Hydrie, Aamer | Seattle | WA | US | |
| Noble, David | Redmond | WA | US | |
| Outhred, Geoffrey | Seattle | WA | US | |
| Peterson, Glenn R. | Kenmore | WA | US | |
| Tabbara, Bassam | Seattle | WA | US | |
| Torone, Alexander | Sammamsih | WA | US | |
| Welland, Robert V. | Seattle | WA | US | |

US-CL-CURRENT: 714/819

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | RWMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 8. Document ID: US 20040143830 A1

L2: Entry 8 of 41

File: PGPB

Jul 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040143830
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040143830 A1

TITLE: Creation of application system installer

PUBLICATION-DATE: July 22, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------------|--------|-------|---------|---------|
| Gupton, Kyle P. | Austin | TX | US | |
| Fuller, David W. III | Austin | TX | US | |
| Sierer, Brian H. | Austin | TX | US | |

US-CL-CURRENT: 717/174; 717/106, 717/120

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|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | RWMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 9. Document ID: US 20040114557 A1

L2: Entry 9 of 41

File: PGPB

Jun 17, 2004

PGPUB-DOCUMENT-NUMBER: 20040114557
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040114557 A1

TITLE: Self coordinated machine network

PUBLICATION-DATE: June 17, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|---------------|-------|---------|---------|
| Bryan, Roland F. | Santa Barbara | CA | US | |
| Harris, Mark P. | Santa Barbara | CA | US | |
| Kleveland, Chris T. | Santa Barbara | CA | US | |

US-CL-CURRENT: 370/338

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
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☐ 10. Document ID: US 20040102924 A1

L2: Entry 10 of 41

File: PGPB

May 27, 2004

PGPUB-DOCUMENT-NUMBER: 20040102924
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040102924 A1

TITLE: Decision support for operations and maintenance (DSOM) system

PUBLICATION-DATE: May 27, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------------|--------------|-------|---------|---------|
| Jarrell, Donald B. | Kennewick | WA | US | |
| Meador, Richard J. | Richland | WA | US | |
| Sisk, Daniel R. | Richland | WA | US | |
| Hatley, Darrel D. | Kennewick | WA | US | |
| Brown, Daryl R. | Richland | WA | US | |
| Keibel, Gary R. | Richland | WA | US | |
| Gowri, Krishnan | Richland | WA | US | |
| Reyes-Spindola, Jorge F. | Richland | WA | US | |
| Adams, Kevin J. | San Bruno | CA | US | |
| Yates, Kenneth R. | Lake Oswego | OR | US | |
| Eschbach, Elizabeth J. | Fort Collins | CO | US | |
| Stratton, Rex C. | Richland | WA | US | |

US-CL-CURRENT: 702/181

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
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☐ 11. Document ID: US 20040095237 A1

L2: Entry 11 of 41

File: PGPB

May 20, 2004

PGPUB-DOCUMENT-NUMBER: 20040095237

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040095237 A1

TITLE: Electronic message delivery system utilizable in the monitoring and control of remote equipment and method of same

PUBLICATION-DATE: May 20, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------------|---------------|-------|---------|---------|
| Chen, Kimball C. | New York | NY | US | |
| Evans, Alexander W. | New York | NY | US | |
| Shprecher, Daniel E. | Highland Lake | NJ | US | |

US-CL-CURRENT: 340/506; 340/531

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
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☐ 12. Document ID: US 20040004629 A1

L2: Entry 12 of 41

File: PGPB

Jan 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040004629

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040004629 A1

TITLE: System and methodology providing graphical objects in an industrial automation environment

PUBLICATION-DATE: January 8, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------------|-----------|-------|---------|---------|
| Hamilton, Jeffrey L. | Cedarburg | WI | US | |
| Schlussman, Bret D. | New York | NY | US | |

US-CL-CURRENT: 715/700

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
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☐ 13. Document ID: US 20030061004 A1

L2: Entry 13 of 41

File: PGPB

Mar 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030061004
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030061004 A1

TITLE: System and method for dynamic multi-objective optimization of machine selection, integration and utilization

PUBLICATION-DATE: March 27, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|------------------------|-------------|-------|---------|---------|
| Discenzo, Frederick M. | Brecksville | OH | US | |

US-CL-CURRENT: 702/182

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|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. De |
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☐ 14. Document ID: US 20030028852 A1

L2: Entry 14 of 41

File: PGPB

Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030028852
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030028852 A1

TITLE: Meta-routing tool for a measurement system

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|--------|-------|---------|---------|
| Thurman, Robert W. | Austin | TX | US | |
| Carbonell, Jeff A. | Austin | TX | US | |

US-CL-CURRENT: 716/12

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. De |
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☐ 15. Document ID: US 20030023874 A1

L2: Entry 15 of 41

File: PGPB

Jan 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030023874
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030023874 A1

TITLE: System for integrating security and access for facilities and information systems

PUBLICATION-DATE: January 30, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-------------------|-----------|-------|---------|---------|
| Prokupets, Rudy | Rochester | NY | US | |
| Regelski, Michael | Rochester | NY | US | |

US-CL-CURRENT: 713/201

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
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☐ 16. Document ID: US 20030005155 A1

L2: Entry 16 of 41

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030005155

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030005155 A1

TITLE: Dynamic routing for a measurement system

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|--------|-------|---------|---------|
| Carbonell, Jeff A. | Austin | TX | US | |
| Thurman, Robert W. | Austin | TX | US | |

US-CL-CURRENT: 709/239

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
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☐ 17. Document ID: US 20030005154 A1

L2: Entry 17 of 41

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030005154

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030005154 A1

TITLE: Shared routing in a measurement system

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|--------|-------|---------|---------|
| Thurman, Robert W. | Austin | TX | US | |

US-CL-CURRENT: 709/239; 702/123

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
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☐ 18. Document ID: US 20030005153 A1

L2: Entry 18 of 41

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030005153

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030005153 A1

TITLE: Dynamic routing for a measurement system

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|--------|-------|---------|---------|
| Carbonell, Jeff A. | Austin | TX | US | |

US-CL-CURRENT: 709/239

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
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☐ 19. Document ID: US 20030004675 A1

L2: Entry 19 of 41

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030004675

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030004675 A1

TITLE: Routing with signal modifiers in a measurement system

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|--------|-------|---------|---------|
| Thurman, Robert W. | Austin | TX | US | |
| Carbonell, Jeff A. | Austin | TX | US | |

US-CL-CURRENT: 702/123

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
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☐ 20. Document ID: US 20030004674 A1

L2: Entry 20 of 41

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030004674

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030004674 A1

TITLE: Shared routing in a measurement system

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|--------|-------|---------|---------|
| Thurman, Robert W. | Austin | TX | US | |
| Carbonell, Jeff A. | Austin | TX | US | |

US-CL-CURRENT: 702/123

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
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☐ 21. Document ID: US 20030004673 A1

L2: Entry 21 of 41

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030004673

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030004673 A1

TITLE: Routing with signal modifiers in a measurement system

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|--------|-------|---------|---------|
| Thurman, Robert W. | Austin | TX | US | |

US-CL-CURRENT: 702/123

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
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☐ 22. Document ID: US 20030004672 A1

L2: Entry 22 of 41

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030004672

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030004672 A1

TITLE: Meta-routing tool for a measurement system

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|--------|-------|---------|---------|
| Thurman, Robert W. | Austin | TX | US | |

US-CL-CURRENT: 702/123

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
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☐ 23. Document ID: US 20020183996 A1

L2: Entry 23 of 41

File: PGPB

Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020183996

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020183996 A1

TITLE: Computer aided design method and system for developing a microfluidic system

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|----------------|-------|---------|---------|
| Lee, Michael | Lake Oswego | OR | US | |
| Worthington, Gajus | Portola Valley | CA | US | |

US-CL-CURRENT: 703/9

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 24. Document ID: US 20020108097 A1

L2: Entry 24 of 41

File: PGPB

Aug 8, 2002

PGPUB-DOCUMENT-NUMBER: 20020108097

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020108097 A1

TITLE: Object oriented microfluidic design method and system

PUBLICATION-DATE: August 8, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|----------------|-------|---------|---------|
| Harris, Gregory | Longmont | CO | US | |
| Montgomery, James | Longmont | CO | US | |
| Lee, Michael | Lake Oswego | OR | US | |
| Worthington, Gajus | Portola Valley | CA | US | |

US-CL-CURRENT: 716/11

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
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☐ 25. Document ID: US 20020108096 A1

L2: Entry 25 of 41

File: PGPB

Aug 8, 2002

PGPUB-DOCUMENT-NUMBER: 20020108096
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020108096 A1

TITLE: Microfluidic design automation method and system

PUBLICATION-DATE: August 8, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|----------------|-------|---------|---------|
| Lee, Michael | Lake Oswego | OR | US | |
| Worthington, Gajus | Portola Valley | CA | US | |
| Harris, Gregory | Longmont | CO | US | |
| Montgomery, James | Longmont | CO | US | |

US-CL-CURRENT: 716/11; 716/12

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|

☐ 26. Document ID: US 20020059050 A1

L2: Entry 26 of 41

File: PGPB

May 16, 2002

PGPUB-DOCUMENT-NUMBER: 20020059050
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020059050 A1

TITLE: System having a model-based user interface for operating and monitoring a device and a method therefor

PUBLICATION-DATE: May 16, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|------------------|----------------|-------|---------|---------|
| Hamadou, Mehdi | Erlangen | | DE | |
| Hoffmann, Werner | Herzogenaurach | | DE | |
| Meixner, Josef | Erlangen | | DE | |

US-CL-CURRENT: 703/13

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|

☐ 27. Document ID: US 6854072 B1

L2: Entry 27 of 41

File: USPT

Feb 8, 2005

US-PAT-NO: 6854072
DOCUMENT-IDENTIFIER: US 6854072 B1

TITLE: High availability file server for providing transparent access to all data before and after component failover

DATE-ISSUED: February 8, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|-----------|-------|----------|---------|
| Cagle; Robert Penn | Claremont | CA | | |
| McEvoy; Patrick J. | Palo Alto | CA | | |
| Sheehan; Kevin Sean | Sunnyvale | CA | | |

US-CL-CURRENT: 714/15; 709/203, 714/1, 714/6

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMOC | Draw. D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 28. Document ID: US 6847854 B2

L2: Entry 28 of 41

File: USPT

Jan 25, 2005

US-PAT-NO: 6847854

DOCUMENT-IDENTIFIER: US 6847854 B2

TITLE: System and method for dynamic multi-objective optimization of machine selection, integration and utilization

DATE-ISSUED: January 25, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------------|-------------|-------|----------|---------|
| Discenzo; Frederick M. | Brecksville | OH | | |

US-CL-CURRENT: 700/99; 700/28, 700/36, 700/90, 705/8

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMOC | Draw. D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 29. Document ID: US 6829753 B2

L2: Entry 29 of 41

File: USPT

Dec 7, 2004

US-PAT-NO: 6829753

DOCUMENT-IDENTIFIER: US 6829753 B2

TITLE: Microfluidic design automation method and system

DATE-ISSUED: December 7, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|----------------|-------|----------|---------|
| Lee; Michael | Lake Oswego | OR | | |
| Worthington; Gajus | Portola Valley | CA | | |

Harris; Gregory Longmont CO
Montgomery; James Longmont CO

US-CL-CURRENT: 716/5; 716/1

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 30. Document ID: US 6559860 B1

L2: Entry 30 of 41

File: USPT

May 6, 2003

US-PAT-NO: 6559860

DOCUMENT-IDENTIFIER: US 6559860 B1

TITLE: Method and apparatus for joining and manipulating graphical objects in a graphical user interface

DATE-ISSUED: May 6, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|-----------|-------|----------|---------|
| Hamilton; Jeffrey L. | Cedarburg | WI | | |
| Schlussman; Bret D. | New York | NY | | |

US-CL-CURRENT: 715/700; 345/619, 345/649, 715/848, 715/964

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 31. Document ID: US 6366293 B1

L2: Entry 31 of 41

File: USPT

Apr 2, 2002

US-PAT-NO: 6366293

DOCUMENT-IDENTIFIER: US 6366293 B1

TITLE: Method and apparatus for manipulating and displaying graphical objects in a computer display device

DATE-ISSUED: April 2, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|-----------|-------|----------|---------|
| Hamilton; Jeffrey L. | Cedarburg | WI | | |
| Schlussman; Bret D. | New York | NY | | |

US-CL-CURRENT: 345/649; 345/420, 345/650, 345/652, 700/263, 703/7

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 32. Document ID: US 6362839 B1

L2: Entry 32 of 41

File: USPT

Mar 26, 2002

US-PAT-NO: 6362839

DOCUMENT-IDENTIFIER: US 6362839 B1

TITLE: Method and apparatus for displaying mechanical emulation with graphical objects in an object oriented computing environment

DATE-ISSUED: March 26, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|-----------|-------|----------|---------|
| Hamilton; Jeffrey L. | Cedarburg | WI | | |
| Schlussman; Bret D. | New York | NY | | |

US-CL-CURRENT: 715/764; 345/418, 715/700, 715/769

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 33. Document ID: US 6198906 B1

L2: Entry 33 of 41

File: USPT

Mar 6, 2001

US-PAT-NO: 6198906

DOCUMENT-IDENTIFIER: US 6198906 B1

TITLE: Method and apparatus for performing broadcast operations

DATE-ISSUED: March 6, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|-----------|-------|----------|---------|
| Boetje; Gerard J. | San Ramon | CA | | |
| Collier; David C. | Gilroy | CA | | |

US-CL-CURRENT: 455/3.01; 348/722, 705/7

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 34. Document ID: US 6091407 A

L2: Entry 34 of 41

File: USPT

Jul 18, 2000

US-PAT-NO: 6091407

DOCUMENT-IDENTIFIER: US 6091407 A

TITLE: Method and apparatus for manifesting representations of scheduled elements in a broadcast environment

DATE-ISSUED: July 18, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|-----------|-------|----------|---------|
| Boetje; Gerard J. | San Ramon | CA | | |
| Collier; David C. | Gilroy | CA | | |

US-CL-CURRENT: 715/721; 348/722, 715/771

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 35. Document ID: US 6067525 A

L2: Entry 35 of 41

File: USPT

May 23, 2000

US-PAT-NO: 6067525

DOCUMENT-IDENTIFIER: US 6067525 A

TITLE: Integrated computerized sales force automation system

DATE-ISSUED: May 23, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------------|---------------|-------|----------|---------|
| Johnson; Jerome Dale | North Mankato | MN | | |
| Lundberg; David Robert | Mankato | MN | | |
| Krebsbach; Michael Paul | Aerdenhout | | | NL |

US-CL-CURRENT: 705/10

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |
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☐ 36. Document ID: US 6049332 A

L2: Entry 36 of 41

File: USPT

Apr 11, 2000

US-PAT-NO: 6049332

DOCUMENT-IDENTIFIER: US 6049332 A

TITLE: Method and apparatus for the scheduling and ordering of elements in a multimedia environment

DATE-ISSUED: April 11, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|-----------|-------|----------|---------|
| Boetje; Gerard J. | San Ramon | CA | | |
| Collier; David C. | Gilroy | CA | | |

US-CL-CURRENT: 715/721; 345/6, 715/855

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
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☐ 37. Document ID: US 5272805 A

L2: Entry 37 of 41

File: USPT

Dec 28, 1993

US-PAT-NO: 5272805

DOCUMENT-IDENTIFIER: US 5272805 A

TITLE: System for the flexible assembly of assemblies

DATE-ISSUED: December 28, 1993

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------|-----------------|-------|----------|---------|
| Akeel; Hadi A. | Rochester Hills | MI | | |
| Hautau; Lane A. | Utica | MI | | |

US-CL-CURRENT: 29/712; 29/771, 29/791

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
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☐ 38. Document ID: US 5239739 A

L2: Entry 38 of 41

File: USPT

Aug 31, 1993

US-PAT-NO: 5239739

DOCUMENT-IDENTIFIER: US 5239739 A

TITLE: Method for the flexible assembly of assemblies

DATE-ISSUED: August 31, 1993

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------|-----------------|-------|----------|---------|
| Akeel; Hadi A. | Rochester Hills | MI | | |
| Hautau; Lane A. | Utica | MI | | |

US-CL-CURRENT: 29/430; 29/466, 29/469, 29/712

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
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☐ 39. Document ID: US 4931402 A

L2: Entry 39 of 41

File: USPT

Jun 5, 1990

US-PAT-NO: 4931402

DOCUMENT-IDENTIFIER: US 4931402 A

TITLE: Photometric analysis equipment

DATE-ISSUED: June 5, 1990

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|---------------|-------|----------|---------|
| Abplanalp; Heinz | Hombrechtikon | | | CH |

US-CL-CURRENT: 435/287.3; 356/244, 422/63

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 40. Document ID: US 4576286 A

L2: Entry 40 of 41

File: USPT

Mar 18, 1986

US-PAT-NO: 4576286

DOCUMENT-IDENTIFIER: US 4576286 A

TITLE: Parts sorting systems

DATE-ISSUED: March 18, 1986

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|----------|-------|----------|---------|
| Buckley; Bruce S. | San Jose | CA | | |
| Buckley; Edward M. | Milpitas | CA | | |
| Reichwein; Roy H. | San Jose | CA | | |

US-CL-CURRENT: 209/558; 209/571, 209/576, 209/590, 367/87, 367/902, 367/96

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 41. Document ID: US 4497031 A

L2: Entry 41 of 41

File: USPT

Jan 29, 1985

US-PAT-NO: 4497031

DOCUMENT-IDENTIFIER: US 4497031 A

TITLE: Direct digital control apparatus for automated monitoring and control of building systems

DATE-ISSUED: January 29, 1985

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|----------|-------|----------|---------|
| Froehling; Paul H. | Franklin | WI | | |
| Anders; Jude R. | Glendale | WI | | |
| Strojny; Lawrence J. | Muskego | WI | | |

Rehberger; James M.

Caledonia

WI

US-CL-CURRENT: 700/276; 165/212, 165/249

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | RWMC | Draw D |
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("Peripheral Component Interconnect" specifications and white papers.)

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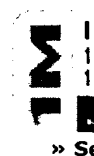
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1 Iterative learning control for soft landing of electromechanical valve actuator in camless engines*Hoffmann, W.; Peterson, K.; Stefanopoulou, A.G.;*

Control Systems Technology, IEEE Transactions on , Volume: 11 , Issue: 2 , N 2003

Pages:174 - 184

[\[Abstract\]](#) [\[PDF Full-Text \(699KB\)\]](#) IEEE JNL
2 Establishing a rule base for a hybrid ES/XPS approach to load management*Gaul, A.J.; Handschin, E.; Hoffmann, W.; Lehmkoetter, C.;*

Power Systems, IEEE Transactions on , Volume: 13 , Issue: 1 , Feb. 1998

Pages:86 - 93

[\[Abstract\]](#) [\[PDF Full-Text \(736KB\)\]](#) IEEE JNL
3 A new method of excitation control based on fuzzy set theory*Handschin, E.; Hoffmann, W.; Reyer, F.; Stephanblome, T.; Schlucking, U.; Westermann, D.; Ahmed, S.S.;*

Power Systems, IEEE Transactions on , Volume: 9 , Issue: 1 , Feb. 1994

Pages:533 - 539

[\[Abstract\]](#) [\[PDF Full-Text \(552KB\)\]](#) IEEE JNL
4 Knowledge based alarm handling and fault location in distribution networks*Eickhoff, F.; Handschin, E.; Hoffmann, W.;*

Power Systems, IEEE Transactions on , Volume: 7 , Issue: 2 , May 1992

Pages:770 - 776

[\[Abstract\]](#) [\[PDF Full-Text \(564KB\)\]](#) IEEE JNL
5 A new generation of industrial crystalline silicon solar cells based on OECO technology*Hezel, R.; Hoffmann, W.;*

Photovoltaic Energy Conversion, 2003. Proceedings of 3rd World Conference c
,Volume: 2 , 12-16 May 2003
Pages:1399 - 1402 Vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(484KB\)\]](#) IEEE CNF

**6 Numerical and experimental methods for further development of de
body hyperthermia**

Nadobny, J.; Wlodarczyk, W.; Wust, P.; Beck, R.; Hoffmann, W.;
Engineering in Medicine and Biology Society, 2000. Proceedings of the 22nd A
International Conference of the IEEE ,Volume: 3 , 23-28 July 2000
Pages:1979 - 1982 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(428KB\)\]](#) IEEE CNF

**7 Development of 3-D phased array applicator for deep-body
hyperthermia: FDTD modeling and experimental verification**

Nadobny, J.; Wlodarczyk, W.; Hoffmann, W.; Wust, P.;
Antennas and Propagation Society International Symposium, 2000. IEEE ,Vol
2 , 16-21 July 2000
Pages:1072 - 1075 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(188KB\)\]](#) IEEE CNF

**8 Evolutionary strategies applied for an optimal management of electri
loads**

Gaul, A.J.; Handschin, E.; Hoffmann, W.;
Intelligent Systems Applications to Power Systems, 1996. Proceedings, ISAP
International Conference on , 28 Jan.-2 Feb. 1996
Pages:368 - 372

[\[Abstract\]](#) [\[PDF Full-Text \(384KB\)\]](#) IEEE CNF

**9 Step by step from specification to realization of an electrochemical
microsystem**

*Suss, W.; Lindemann, K.; Eggert, H.; Gorges-Schleuter, M.; Jakob, W.; Hoffm
W.; Rapp, R.;*
European Design and Test Conference, 1996. ED&TC 96. Proceedings , 11-14
March 1996
Pages:533 - 537

[\[Abstract\]](#) [\[PDF Full-Text \(884KB\)\]](#) IEEE CNF

10 Iterative learning control of electromechanical camless valve actua

Hoffmann, W.; Stefanopoulou, A.G.;
American Control Conference, 2001. Proceedings of the 2001 ,Volume: 4 , 25
June 2001
Pages:2860 - 2866 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(520KB\)\]](#) IEEE CNF

11 Integrated Microanalytical System With Electrochemical Detection

Hoffmann, W.; Rapp, R.;

Solid-State Sensors and Actuators, 1995 and Eurosensors IX. Transducers '95
8th International Conference on , Volume: 2 , June 25-29, 1995
Pages:955 - 958

[\[Abstract\]](#) [\[PDF Full-Text \(720KB\)\]](#) [IEEE CNF](#)

12 A new method of excitation control based on fuzzy set theory

Handschin, E.; Hoffmann, W.; Reyer, F.; Stephanblome, T.; Schlucking, U.; Westermann, D.; Ahmed, S.S.;

Power Industry Computer Application Conference, 1993. Conference Proceedings , 4-7 May 1993

Pages:34 - 40

[\[Abstract\]](#) [\[PDF Full-Text \(552KB\)\]](#) [IEEE CNF](#)

13 Performance of bifacial MIS-inversion layer solar cells encapsulated novel albedo collecting modules

Jaeger, K.; Bende, G.; Hoffmann, W.; Hezel, R.;

Photovoltaic Specialists Conference, 1993., Conference Record of the Twenty IEEE , 10-14 May 1993

Pages:1235 - 1239

[\[Abstract\]](#) [\[PDF Full-Text \(400KB\)\]](#) [IEEE CNF](#)

14 PWM inverter for parallel operation as high quality AC source in telecommunication

Hoffmann, W.; Bugyi, R.; Szumowski, P.;

Telecommunications Energy Conference, 1993. INTELEC '93. 15th International , Volume: 1 , 27-30 Sept. 1993

Pages:420 - 423 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(240KB\)\]](#) [IEEE CNF](#)

15 Knowledge based alarm handling and fault location in distribution networks

Eickhoff, F.; Handschin, E.; Hoffmann, W.;

Power Industry Computer Application Conference, 1991. Conference Proceedings , 7-10 May 1991

Pages:358 - 364

[\[Abstract\]](#) [\[PDF Full-Text \(564KB\)\]](#) [IEEE CNF](#)

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| <u>L2</u> | L1 and monitoring and components and (sub-components or subcomponents or sub adj components) | 41 | <u>L2</u> |
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☐ 1. Document ID: US 20050033453 A1

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L3: Entry 1 of 59

File: PGPB

Feb 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050033453

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050033453 A1

TITLE: Controller with configurable connections between data processing components

PUBLICATION-DATE: February 10, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|------------------|-------------|-------|---------|---------|
| Coogan, James J. | Des Plaines | IL | US | |
| Seribo, Virgil | Deerfield | IL | US | |

US-CL-CURRENT: 700/2; 700/42

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | RWMC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 2. Document ID: US 20050010931 A1

L3: Entry 2 of 59

File: PGPB

Jan 13, 2005

PGPUB-DOCUMENT-NUMBER: 20050010931

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050010931 A1

TITLE: System and method for communicating between software applications, particularly mes (manufacturing execution system) applications

PUBLICATION-DATE: January 13, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-----------------|----------|-------|---------|---------|
| Langkafel, Dirk | Erlangen | | DE | |
| Thurner, Elmar | Nurnberg | | DE | |

US-CL-CURRENT: 719/328

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 3. Document ID: US 20040267395 A1

L3: Entry 3 of 59

File: PGPB

Dec 30, 2004

PGPUB-DOCUMENT-NUMBER: 20040267395

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040267395 A1

TITLE: System and method for dynamic multi-objective optimization of machine selection, integration and utilization

PUBLICATION-DATE: December 30, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|------------------------|----------------|-------|---------|---------|
| Discenzo, Frederick M. | Brecksville | OH | US | |
| Pai, Ramdas M. | Racine | WI | US | |
| Schaller, Gerald Peter | Madison | OH | US | |
| Roote, Michael Scott | Chesterland | OH | US | |
| Novak, Richard James | Avon | OH | US | |
| Jensen, David Lee | Barneveld | WI | US | |
| Ference, John Crandall | Cuyahoga Falls | OH | US | |
| Williams, Bennet Ray | Twinsburg | OH | US | |

US-CL-CURRENT: 700/99, 700/108, 700/111, 702/182, 705/8

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
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☐ 4. Document ID: US 20040260954 A1

L3: Entry 4 of 59

File: PGPB

Dec 23, 2004

PGPUB-DOCUMENT-NUMBER: 20040260954

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040260954 A1

TITLE: Biometrics PLC access and control system and method

PUBLICATION-DATE: December 23, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------|---------|-------|---------|---------|
| Morse, Carl P. | Milford | NH | US | |

US-CL-CURRENT: 713/202

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
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☐ 5. Document ID: US 20040260557 A1

L3: Entry 5 of 59

File: PGPB

Dec 23, 2004

PGPUB-DOCUMENT-NUMBER: 20040260557

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040260557 A1

TITLE: System and method for voice output from an automation system

PUBLICATION-DATE: December 23, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------|---------|-------|---------|---------|
| Morse, Carl P. | Milford | NH | US | |

US-CL-CURRENT: 704/272

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 6. Document ID: US 20040260538 A1

L3: Entry 6 of 59

File: PGPB

Dec 23, 2004

PGPUB-DOCUMENT-NUMBER: 20040260538

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040260538 A1

TITLE: System and method for voice input to an automation system

PUBLICATION-DATE: December 23, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------|---------|-------|---------|---------|
| Morse, Carl P. | Milford | NH | US | |

US-CL-CURRENT: 704/201

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 7. Document ID: US 20040255291 A1

L3: Entry 7 of 59

File: PGPB

Dec 16, 2004

PGPUB-DOCUMENT-NUMBER: 20040255291

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040255291 A1

TITLE: Installing software using programmatic component dependency analysis

PUBLICATION-DATE: December 16, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-------------------------|--------------|-------|---------|---------|
| Sierer, Brian H. | Austin | TX | US | |
| Sommerville, Jason D. | Austin | TX | US | |
| Klemett, Kristofer J. | Austin | TX | US | |
| Salem, Narendrakumar U. | Austin | TX | US | |
| Wendland, Wesley N. | Pflugerville | TX | US | |

US-CL-CURRENT: 717/174

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 8. Document ID: US 20040225952 A1

L3: Entry 8 of 59

File: PGPB

Nov 11, 2004

PGPUB-DOCUMENT-NUMBER: 20040225952

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040225952 A1

TITLE: Architecture for distributed computing system and automated design, deployment, and management of distributed applications

PUBLICATION-DATE: November 11, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|-------------|-------|---------|---------|
| Brown, Mathilde C. | Seattle | WA | US | |
| Chase, Charlie D. | Woodinville | WA | US | |
| Grealish, Kevin | Seattle | WA | US | |
| Hunt, Galen C. | Bellevue | WA | US | |
| Hydrie, Aamer | Seattle | WA | US | |
| Noble, David | Redmond | WA | US | |
| Outhred, Geoffrey | Seattle | WA | US | |
| Peterson, Glenn R. | Kenmore | WA | US | |
| Tabbara, Bassam | Seattle | WA | US | |
| Torone, Alexander | Sammamsih | WA | US | |
| Welland, Robert V. | Seattle | WA | US | |

US-CL-CURRENT: 714/819

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
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☐ 9. Document ID: US 20040143830 A1

L3: Entry 9 of 59

File: PGPB

Jul 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040143830
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040143830 A1

TITLE: Creation of application system installer

PUBLICATION-DATE: July 22, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------------|--------|-------|---------|---------|
| Gupton, Kyle P. | Austin | TX | US | |
| Fuller, David W. III | Austin | TX | US | |
| Sierer, Brian H. | Austin | TX | US | |

US-CL-CURRENT: 717/174; 717/106, 717/120

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMIC | Draw. D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
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☐ 10. Document ID: US 20040114557 A1

L3: Entry 10 of 59

File: PGPB

Jun 17, 2004

PGPUB-DOCUMENT-NUMBER: 20040114557
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040114557 A1

TITLE: Self coordinated machine network

PUBLICATION-DATE: June 17, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|---------------|-------|---------|---------|
| Bryan, Roland F. | Santa Barbara | CA | US | |
| Harris, Mark P. | Santa Barbara | CA | US | |
| Kleveland, Chris T. | Santa Barbara | CA | US | |

US-CL-CURRENT: 370/338

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMIC | Draw. D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 11. Document ID: US 20040111166 A1

L3: Entry 11 of 59

File: PGPB

Jun 10, 2004

PGPUB-DOCUMENT-NUMBER: 20040111166
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040111166 A1

TITLE: Automation system

PUBLICATION-DATE: June 10, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-----------------|-----------|-------|---------|---------|
| Jartyn, Hermann | Igensdorf | | DE | |

US-CL-CURRENT: 700/2; 700/86

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 12. Document ID: US 20040102924 A1

L3: Entry 12 of 59

File: PGPB

May 27, 2004

PGPUB-DOCUMENT-NUMBER: 20040102924

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040102924 A1

TITLE: Decision support for operations and maintenance (DSOM) system

PUBLICATION-DATE: May 27, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------------|--------------|-------|---------|---------|
| Jarrell, Donald B. | Kennewick | WA | US | |
| Meador, Richard J. | Richland | WA | US | |
| Sisk, Daniel R. | Richland | WA | US | |
| Hatley, Darrel D. | Kennewick | WA | US | |
| Brown, Daryl R. | Richland | WA | US | |
| Keibel, Gary R. | Richland | WA | US | |
| Gowri, Krishnan | Richland | WA | US | |
| Reyes-Spindola, Jorge F. | Richland | WA | US | |
| Adams, Kevin J. | San Bruno | CA | US | |
| Yates, Kenneth R. | Lake Oswego | OR | US | |
| Eschbach, Elizabeth J. | Fort Collins | CO | US | |
| Stratton, Rex C. | Richland | WA | US | |

US-CL-CURRENT: 702/181

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 13. Document ID: US 20040095237 A1

L3: Entry 13 of 59

File: PGPB

May 20, 2004

PGPUB-DOCUMENT-NUMBER: 20040095237

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040095237 A1

TITLE: Electronic message delivery system utilizable in the monitoring and control of remote equipment and method of same

PUBLICATION-DATE: May 20, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------------|---------------|-------|---------|---------|
| Chen, Kimball C. | New York | NY | US | |
| Evans, Alexander W. | New York | NY | US | |
| Shprecher, Daniel E. | Highland Lake | NJ | US | |

US-CL-CURRENT: 340/506; 340/531

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 14. Document ID: US 20040024673 A1

L3: Entry 14 of 59

File: PGPB

Feb 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040024673

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040024673 A1

TITLE: Method for optimizing the allocation of resources based on market and technology considerations

PUBLICATION-DATE: February 5, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|------------------------|--------------|-------|---------|---------|
| Huettl, Bernd-Josef M. | Ridgefield | CT | US | |
| Doerre, George W. | Poughkeepsie | NY | US | |

US-CL-CURRENT: 705/36

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 15. Document ID: US 20040004629 A1

L3: Entry 15 of 59

File: PGPB

Jan 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040004629

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040004629 A1

TITLE: System and methodology providing graphical objects in an industrial automation environment

PUBLICATION-DATE: January 8, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------------|-----------|-------|---------|---------|
| Hamilton, Jeffrey L. | Cedarburg | WI | US | |
| Schlussman, Bret D. | New York | NY | US | |

US-CL-CURRENT: 715/700

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 16. Document ID: US 20030061238 A1

L3: Entry 16 of 59

File: PGPB

Mar 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030061238
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030061238 A1

TITLE: Product configuration method and system

PUBLICATION-DATE: March 27, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|-----------|-------|---------|---------|
| Atkinson, Shane A. | Lewisburg | TN | US | |

US-CL-CURRENT: 707/104.1

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 17. Document ID: US 20030061004 A1

L3: Entry 17 of 59

File: PGPB

Mar 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030061004
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030061004 A1

TITLE: System and method for dynamic multi-objective optimization of machine selection, integration and utilization

PUBLICATION-DATE: March 27, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|------------------------|-------------|-------|---------|---------|
| Discenzo, Frederick M. | Brecksville | OH | US | |

US-CL-CURRENT: 702/182

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 18. Document ID: US 20030028852 A1

L3: Entry 18 of 59

File: PGPB

Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030028852

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030028852 A1

TITLE: Meta-routing tool for a measurement system

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|--------|-------|---------|---------|
| Thurman, Robert W. | Austin | TX | US | |
| Carbonell, Jeff A. | Austin | TX | US | |

US-CL-CURRENT: 716/12

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draws De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 19. Document ID: US 20030023874 A1

L3: Entry 19 of 59

File: PGPB

Jan 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030023874

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030023874 A1

TITLE: System for integrating security and access for facilities and information systems

PUBLICATION-DATE: January 30, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-------------------|-----------|-------|---------|---------|
| Prokupets, Rudy | Rochester | NY | US | |
| Regelski, Michael | Rochester | NY | US | |

US-CL-CURRENT: 713/201

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draws De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 20. Document ID: US 20030005155 A1

L3: Entry 20 of 59

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030005155

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030005155 A1

TITLE: Dynamic routing for a measurement system

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|--------|-------|---------|---------|
| Carbonell, Jeff A. | Austin | TX | US | |
| Thurman, Robert W. | Austin | TX | US | |

US-CL-CURRENT: 709/239

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 21. Document ID: US 20030005154 A1

L3: Entry 21 of 59

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030005154

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030005154 A1

TITLE: Shared routing in a measurement system

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|--------|-------|---------|---------|
| Thurman, Robert W. | Austin | TX | US | |

US-CL-CURRENT: 709/239; 702/123

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 22. Document ID: US 20030005153 A1

L3: Entry 22 of 59

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030005153

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030005153 A1

TITLE: Dynamic routing for a measurement system

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|--------|-------|---------|---------|
| Carbonell, Jeff A. | Austin | TX | US | |

US-CL-CURRENT: 709/239

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | R/MC | Draw. D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 23. Document ID: US 20030004675 A1

L3: Entry 23 of 59

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030004675

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030004675 A1

TITLE: Routing with signal modifiers in a measurement system

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|--------|-------|---------|---------|
| Thurman, Robert W. | Austin | TX | US | |
| Carbonell, Jeff A. | Austin | TX | US | |

US-CL-CURRENT: 702/123

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | R/MC | Draw. D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 24. Document ID: US 20030004674 A1

L3: Entry 24 of 59

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030004674

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030004674 A1

TITLE: Shared routing in a measurement system

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|--------|-------|---------|---------|
| Thurman, Robert W. | Austin | TX | US | |
| Carbonell, Jeff A. | Austin | TX | US | |

US-CL-CURRENT: 702/123

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | R/MC | Draw. D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
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☐ 25. Document ID: US 20030004673 A1

L3: Entry 25 of 59

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030004673
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030004673 A1

TITLE: Routing with signal modifiers in a measurement system

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|--------|-------|---------|---------|
| Thurman, Robert W. | Austin | TX | US | |

US-CL-CURRENT: 702/123

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 26. Document ID: US 20030004672 A1

L3: Entry 26 of 59

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030004672
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030004672 A1

TITLE: Meta-routing tool for a measurement system

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|--------|-------|---------|---------|
| Thurman, Robert W. | Austin | TX | US | |

US-CL-CURRENT: 702/123

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 27. Document ID: US 20020194315 A1

L3: Entry 27 of 59

File: PGPB

Dec 19, 2002

PGPUB-DOCUMENT-NUMBER: 20020194315
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020194315 A1

TITLE: Device and method for linking automation components

PUBLICATION-DATE: December 19, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|----------------|-------|---------|---------|
| Gollwitzer, Dieter | Postbauer-Heng | | DE | |

| | | |
|--------------------------------|----------|----|
| Kulzer, Heinrich | Nurnberg | DE |
| List, Stefan | Furth | DE |
| Macher, Andreas | Neumarkt | DE |
| Marwitz, Josef Portner-von-der | Nurnberg | DE |

US-CL-CURRENT: 709/220

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | RIMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 28. Document ID: US 20020183996 A1

L3: Entry 28 of 59

File: PGPB

Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020183996

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020183996 A1

TITLE: Computer aided design method and system for developing a microfluidic system

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|----------------|-------|---------|---------|
| Lee, Michael | Lake Oswego | OR | US | |
| Worthington, Gajus | Portola Valley | CA | US | |

US-CL-CURRENT: 703/9

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | RIMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 29. Document ID: US 20020108097 A1

L3: Entry 29 of 59

File: PGPB

Aug 8, 2002

PGPUB-DOCUMENT-NUMBER: 20020108097

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020108097 A1

TITLE: Object oriented microfluidic design method and system

PUBLICATION-DATE: August 8, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|----------------|-------|---------|---------|
| Harris, Gregory | Longmont | CO | US | |
| Montgomery, James | Longmont | CO | US | |
| Lee, Michael | Lake Oswego | OR | US | |
| Worthington, Gajus | Portola Valley | CA | US | |

US-CL-CURRENT: 716/11

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 30. Document ID: US 20020108096 A1

L3: Entry 30 of 59

File: PGPB

Aug 8, 2002

PGPUB-DOCUMENT-NUMBER: 20020108096

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020108096 A1

TITLE: Microfluidic design automation method and system

PUBLICATION-DATE: August 8, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|----------------|-------|---------|---------|
| Lee, Michael | Lake Oswego | OR | US | |
| Worthington, Gajus | Portola Valley | CA | US | |
| Harris, Gregory | Longmont | CO | US | |
| Montgomery, James | Longmont | CO | US | |

US-CL-CURRENT: 716/11; 716/12

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
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☐ 31. Document ID: US 20020082720 A1

L3: Entry 31 of 59

File: PGPB

Jun 27, 2002

PGPUB-DOCUMENT-NUMBER: 20020082720

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020082720 A1

TITLE: Automation system

PUBLICATION-DATE: June 27, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|------------------|-----------|-------|---------|---------|
| Birzer, Johannes | Stulln | | DE | |
| Kiesel, Martin | Poxdorf | | DE | |
| Trummer, Georg | Erlangen | | DE | |
| Wagner, Peter | Hersbruck | | DE | |

US-CL-CURRENT: 700/18; 700/117, 700/19, 700/20, 700/96

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 32. Document ID: US 20020059050 A1

L3: Entry 32 of 59

File: PGPB

May 16, 2002

PGPUB-DOCUMENT-NUMBER: 20020059050

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020059050 A1

TITLE: System having a model-based user interface for operating and monitoring a device and a method therefor

PUBLICATION-DATE: May 16, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|------------------|----------------|-------|---------|---------|
| Hamadou, Mehdi | Erlangen | | DE | |
| Hoffmann, Werner | Herzogenaurach | | DE | |
| Meixner, Josef | Erlangen | | DE | |

US-CL-CURRENT: 703/13

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 33. Document ID: US 20010037436 A1

L3: Entry 33 of 59

File: PGPB

Nov 1, 2001

PGPUB-DOCUMENT-NUMBER: 20010037436

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010037436 A1

TITLE: Programmable controller which operates by means of data management using network computers and method for operating a programmable controller

PUBLICATION-DATE: November 1, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|------------|-------|---------|---------|
| Blumenstock, Werner | Weisendorf | | DE | |

US-CL-CURRENT: 711/154; 714/5

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|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 34. Document ID: US 6859913 B2

L3: Entry 34 of 59

File: USPT

Feb 22, 2005

US-PAT-NO: 6859913

DOCUMENT-IDENTIFIER: US 6859913 B2

TITLE: Representing a simulation model using a hardware configuration database

DATE-ISSUED: February 22, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|--------------|-------|----------|---------|
| Fennell; Timothy J. | Holliston | MA | | |
| Wheeler; William R. | Southborough | MA | | |

US-CL-CURRENT: 716/4; 703/14, 716/18

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 35. Document ID: US 6854072 B1

L3: Entry 35 of 59

File: USPT

Feb 8, 2005

US-PAT-NO: 6854072

DOCUMENT-IDENTIFIER: US 6854072 B1

TITLE: High availability file server for providing transparent access to all data before and after component failover

DATE-ISSUED: February 8, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|-----------|-------|----------|---------|
| Cagle; Robert Penn | Claremont | CA | | |
| McEvoy; Patrick J. | Palo Alto | CA | | |
| Sheehan; Kevin Sean | Sunnyvale | CA | | |

US-CL-CURRENT: 714/15; 709/203, 714/1, 714/6

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 36. Document ID: US 6847854 B2

L3: Entry 36 of 59

File: USPT

Jan 25, 2005

US-PAT-NO: 6847854

DOCUMENT-IDENTIFIER: US 6847854 B2

TITLE: System and method for dynamic multi-objective optimization of machine selection, integration and utilization

DATE-ISSUED: January 25, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------------|-------------|-------|----------|---------|
| Discenzo; Frederick M. | Brecksville | OH | | |

US-CL-CURRENT: [700/99](#); [700/28](#), [700/36](#), [700/90](#), [705/8](#)

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 37. Document ID: US 6829753 B2

L3: Entry 37 of 59

File: USPT

Dec 7, 2004

US-PAT-NO: 6829753

DOCUMENT-IDENTIFIER: US 6829753 B2

TITLE: Microfluidic design automation method and system

DATE-ISSUED: December 7, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|----------------|-------|----------|---------|
| Lee; Michael | Lake Oswego | OR | | |
| Worthington; Gajus | Portola Valley | CA | | |
| Harris; Gregory | Longmont | CO | | |
| Montgomery; James | Longmont | CO | | |

US-CL-CURRENT: [716/5](#); [716/1](#)

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 38. Document ID: US 6757568 B2

L3: Entry 38 of 59

File: USPT

Jun 29, 2004

US-PAT-NO: 6757568

DOCUMENT-IDENTIFIER: US 6757568 B2

TITLE: Automation system for merging automation components

DATE-ISSUED: June 29, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|-----------|-------|----------|---------|
| Birzer; Johannes | Stulln | | | DE |
| Kiesel; Martin | Poxdorf | | | DE |
| Trummer; Georg | Erlangen | | | DE |
| Wagner; Peter | Hersbruck | | | DE |

US-CL-CURRENT: [700/18](#); [700/19](#), [700/20](#), [700/56](#), [700/61](#), [700/96](#)

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 39. Document ID: US 6732010 B1

L3: Entry 39 of 59

File: USPT

May 4, 2004

US-PAT-NO: 6732010

DOCUMENT-IDENTIFIER: US 6732010 B1

TITLE: Method, system, and product for associating subcomponents with a particular storage library

DATE-ISSUED: May 4, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|------------|-------|----------|---------|
| Ochs; Steven | Louisville | CO | | |
| Borrego; Antonio | Superior | CO | | |
| Wait; Don | Superior | CO | | |

US-CL-CURRENT: 700/214; 700/215

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 40. Document ID: US 6578495 B1

L3: Entry 40 of 59

File: USPT

Jun 17, 2003

US-PAT-NO: 6578495

DOCUMENT-IDENTIFIER: US 6578495 B1

TITLE: Modular linear motor tracks and methods of fabricating same

DATE-ISSUED: June 17, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|---------|-------|----------|---------|
| Yitts; Anthony A. | Grafton | MA | | |
| Taylor; Alastair D. | Ayer | MA | | |

US-CL-CURRENT: 104/292; 310/12

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 41. Document ID: US 6559860 B1

L3: Entry 41 of 59

File: USPT

May 6, 2003

US-PAT-NO: 6559860

DOCUMENT-IDENTIFIER: US 6559860 B1

TITLE: Method and apparatus for joining and manipulating graphical objects in a graphical user interface

DATE-ISSUED: May 6, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|-----------|-------|----------|---------|
| Hamilton; Jeffrey L. | Cedarburg | WI | | |
| Schlussman; Bret D. | New York | NY | | |

US-CL-CURRENT: 715/700; 345/619, 345/649, 715/848, 715/964

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 42. Document ID: US 6505084 B2

L3: Entry 42 of 59

File: USPT

Jan 7, 2003

US-PAT-NO: 6505084

DOCUMENT-IDENTIFIER: US 6505084 B2

TITLE: Programmable controller which operates by means of data management using network computers and method for operating a programmable controller

DATE-ISSUED: January 7, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|------------|-------|----------|---------|
| Blumenstock; Werner | Weisendorf | | | DE |

US-CL-CURRENT: 700/21; 700/177, 709/221, 714/5, 717/171

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 43. Document ID: US 6434712 B1

L3: Entry 43 of 59

File: USPT

Aug 13, 2002

US-PAT-NO: 6434712

DOCUMENT-IDENTIFIER: US 6434712 B1

**** See image for Certificate of Correction ****

TITLE: Method and apparatus for fault tolerant execution of computer programs

DATE-ISSUED: August 13, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|--------|-------|----------|---------|
| Urban; Gerhard | Bremen | | | DE |
| Fischer; Heinrich | Bremen | | | DE |

US-CL-CURRENT: 714/12; 714/10, 714/11

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
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☐ 44. Document ID: US 6366293 B1

L3: Entry 44 of 59

File: USPT

Apr 2, 2002

US-PAT-NO: 6366293

DOCUMENT-IDENTIFIER: US 6366293 B1

TITLE: Method and apparatus for manipulating and displaying graphical objects in a computer display device

DATE-ISSUED: April 2, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|-----------|-------|----------|---------|
| Hamilton; Jeffrey L. | Cedarburg | WI | | |
| Schlussman; Bret D. | New York | NY | | |

US-CL-CURRENT: 345/649; 345/420, 345/650, 345/652, 700/263, 703/7

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 45. Document ID: US 6362839 B1

L3: Entry 45 of 59

File: USPT

Mar 26, 2002

US-PAT-NO: 6362839

DOCUMENT-IDENTIFIER: US 6362839 B1

TITLE: Method and apparatus for displaying mechanical emulation with graphical objects in an object oriented computing environment

DATE-ISSUED: March 26, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|-----------|-------|----------|---------|
| Hamilton; Jeffrey L. | Cedarburg | WI | | |
| Schlussman; Bret D. | New York | NY | | |

US-CL-CURRENT: 715/764; 345/418, 715/700, 715/769

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 46. Document ID: US 6198906 B1

L3: Entry 46 of 59

File: USPT

Mar 6, 2001

US-PAT-NO: 6198906

DOCUMENT-IDENTIFIER: US 6198906 B1

TITLE: Method and apparatus for performing broadcast operations

DATE-ISSUED: March 6, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|-----------|-------|----------|---------|
| Boetje; Gerard J. | San Ramon | CA | | |
| Collier; David C. | Gilroy | CA | | |

US-CL-CURRENT: 455/3.01; 348/722, 705/7

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|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 47. Document ID: US 6091407 A

L3: Entry 47 of 59

File: USPT

Jul 18, 2000

US-PAT-NO: 6091407

DOCUMENT-IDENTIFIER: US 6091407 A

TITLE: Method and apparatus for manifesting representations of scheduled elements in a broadcast environment

DATE-ISSUED: July 18, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|-----------|-------|----------|---------|
| Boetje; Gerard J. | San Ramon | CA | | |
| Collier; David C. | Gilroy | CA | | |

US-CL-CURRENT: 715/721; 348/722, 715/771

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 48. Document ID: US 6067525 A

L3: Entry 48 of 59

File: USPT

May 23, 2000

US-PAT-NO: 6067525

DOCUMENT-IDENTIFIER: US 6067525 A

TITLE: Integrated computerized sales force automation system

DATE-ISSUED: May 23, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|---------------|-------|----------|---------|
| Johnson; Jerome Dale | North Mankato | MN | | |

Lundberg; David Robert
Krebsbach; Michael Paul

Mankato
Aerdenhout

MN

NL

US-CL-CURRENT: 705/10

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 49. Document ID: US 6049332 A

L3: Entry 49 of 59

File: USPT

Apr 11, 2000

US-PAT-NO: 6049332

DOCUMENT-IDENTIFIER: US 6049332 A

TITLE: Method and apparatus for the scheduling and ordering of elements in a
multimedia environment

DATE-ISSUED: April 11, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|-----------|-------|----------|---------|
| Boetje; Gerard J. | San Ramon | CA | | |
| Collier; David C. | Gilroy | CA | | |

US-CL-CURRENT: 715/721; 345/6, 715/855

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 50. Document ID: US 5671385 A

L3: Entry 50 of 59

File: USPT

Sep 23, 1997

US-PAT-NO: 5671385

DOCUMENT-IDENTIFIER: US 5671385 A

**** See image for Certificate of Correction ****

TITLE: Memory subsystem with disk meshing, controller meshing, and efficient cache
buffer lookup

DATE-ISSUED: September 23, 1997

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------|-----------|-------|----------|---------|
| Jost; Larry T. | St. Louis | MO | | |

US-CL-CURRENT: 711/4; 711/114, 711/202

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
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| L1 and components and (sub-components or subcomponents or sub adj components) | 59 |

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☐ 51. Document ID: US 5272805 A

Using default format because multiple data bases are involved.

L3: Entry 51 of 59

File: USPT

Dec 28, 1993

US-PAT-NO: 5272805

DOCUMENT-IDENTIFIER: US 5272805 A

TITLE: System for the flexible assembly of assemblies

DATE-ISSUED: December 28, 1993

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------|-----------------|-------|----------|---------|
| Akeel; Hadi A. | Rochester Hills | MI | | |
| Hautau; Lane A. | Utica | MI | | |

US-CL-CURRENT: [29/712](#); [29/771](#), [29/791](#)

| | | | | | | | | | | | | |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|---------------------------|-----------------------------|------------------------|----------------------|------------------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMIC | Draw D |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|---------------------------|-----------------------------|------------------------|----------------------|------------------------|

☐ 52. Document ID: US 5239739 A

L3: Entry 52 of 59

File: USPT

Aug 31, 1993

US-PAT-NO: 5239739

DOCUMENT-IDENTIFIER: US 5239739 A

TITLE: Method for the flexible assembly of assemblies

DATE-ISSUED: August 31, 1993

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------|-----------------|-------|----------|---------|
| Akeel; Hadi A. | Rochester Hills | MI | | |
| Hautau; Lane A. | Utica | MI | | |

US-CL-CURRENT: [29/430](#); [29/466](#), [29/469](#), [29/712](#)

| | | | | | | | | | | | | |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|---------------------------|-----------------------------|------------------------|----------------------|------------------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMIC | Draw D |
|----------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------------|----------------------|---------------------------|---------------------------|-----------------------------|------------------------|----------------------|------------------------|

☐ 53. Document ID: US 5237826 A

L3: Entry 53 of 59

File: USPT

Aug 24, 1993

US-PAT-NO: 5237826

DOCUMENT-IDENTIFIER: US 5237826 A

TITLE: Configuration wiring harness for HVAC controller

DATE-ISSUED: August 24, 1993

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-------------|-------|----------|---------|
| Baldwin; Joe M. | Clarksville | TN | | |
| Bishop; Richard A. | Clarksville | TN | | |
| Davis; James A. | Franklin | TN | | |
| Renaud; Merle A. | Onalaska | WI | | |

US-CL-CURRENT: 62/77; 174/72A, 62/125, 62/298

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 54. Document ID: US 4931402 A

L3: Entry 54 of 59

File: USPT

Jun 5, 1990

US-PAT-NO: 4931402

DOCUMENT-IDENTIFIER: US 4931402 A

TITLE: Photometric analysis equipment

DATE-ISSUED: June 5, 1990

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|---------------|-------|----------|---------|
| Abplanalp; Heinz | Hombrechtikon | | | CH |

US-CL-CURRENT: 435/287.3; 356/244, 422/63

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. D. |
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☐ 55. Document ID: US 4576286 A

L3: Entry 55 of 59

File: USPT

Mar 18, 1986

US-PAT-NO: 4576286

DOCUMENT-IDENTIFIER: US 4576286 A

TITLE: Parts sorting systems

DATE-ISSUED: March 18, 1986

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|----------|-------|----------|---------|
| Buckley; Bruce S. | San Jose | CA | | |
| Buckley; Edward M. | Milpitas | CA | | |
| Reichwein; Roy H. | San Jose | CA | | |

US-CL-CURRENT: 209/558; 209/571, 209/576, 209/590, 367/87, 367/902, 367/96

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|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 56. Document ID: US 4497031 A

L3: Entry 56 of 59

File: USPT

Jan 29, 1985

US-PAT-NO: 4497031

DOCUMENT-IDENTIFIER: US 4497031 A

TITLE: Direct digital control apparatus for automated monitoring and control of building systems

DATE-ISSUED: January 29, 1985

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|-----------|-------|----------|---------|
| Froehling; Paul H. | Franklin | WI | | |
| Anders; Jude R. | Glendale | WI | | |
| Strojny; Lawrence J. | Muskego | WI | | |
| Rehberger; James M. | Caledonia | WI | | |

US-CL-CURRENT: 700/276; 165/212, 165/249

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 57. Document ID: WO 2004114119 A2, US 20040260557 A1

L3: Entry 57 of 59

File: DWPI

Dec 29, 2004

DERWENT-ACC-NO: 2005-089184

DERWENT-WEEK: 200510

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TITLE: Voice output system for automation system in factory, has speaker which receives output signal including audible information related to sub-component from programmable logic controller, to output audible speech output

INVENTOR: MORSE, C P

PRIORITY-DATA: 2003US-0465101 (June 19, 2003)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|--------------------------|-------------------|----------|-------|------------|
| <u>WO 2004114119 A2</u> | December 29, 2004 | E | 000 | G06F003/16 |
| <u>US 20040260557 A1</u> | December 23, 2004 | | 007 | G10L021/00 |

INT-CL (IPC): G06 F 3/16; G10 L 21/00

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| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw D |
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☐ 58. Document ID: WO 2004114281 A1, US 20040260538 A1

L3: Entry 58 of 59

File: DWPI

Dec 29, 2004

DERWENT-ACC-NO: 2005-089175

DERWENT-WEEK: 200510

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TITLE: Hands free voice input providing system for sub-components in automation system in factory, uses programmable logic controller for converting received converting electrical vocal signal to input for operating sub-component

INVENTOR: MORSE, C P

PRIORITY-DATA: 2003US-0465106 (June 19, 2003)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|--------------------------|-------------------|----------|-------|------------|
| <u>WO 2004114281 A1</u> | December 29, 2004 | E | 000 | G10L015/22 |
| <u>US 20040260538 A1</u> | December 23, 2004 | | 008 | G10L019/00 |

INT-CL (IPC): G10 L 15/22; G10 L 19/00

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| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw D |
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☐ 59. Document ID: DE 19910537 A1, EP 1196844 A2, WO 200054147 A2

L3: Entry 59 of 59

File: DWPI

Sep 14, 2000

DERWENT-ACC-NO: 2000-566280

DERWENT-WEEK: 200233

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TITLE: Automation system - comprises directory entries for storing object names of automation objects, including reference to object, description of its technical functionality, and description of its interfaces

INVENTOR: BECKER, N; BIEHLER, G ; DIEZEL, M ; DONNER, A ; ECKARDT, D ; HERBERTH, H ; KRAEMER, M ; LANGE, R ; LANGKAFEL, D ; LEINS, R ; MOELLER-NEHRING, W ; SCHMOLL, J ; SCHNEIDER, K ; WELZ, U ; WINDL, H

PRIORITY-DATA: 1999DE-1010537 (March 9, 1999)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|------------------------|--------------------|----------|-------|------------|
| <u>DE 19910537 A1</u> | September 14, 2000 | | 005 | G05B019/04 |
| <u>EP 1196844 A2</u> | April 17, 2002 | G | 000 | G06F009/44 |
| <u>WO 200054147 A2</u> | September 14, 2000 | G | 000 | G06F009/44 |

INT-CL (IPC): G05 B 15/02; G05 B 19/04; G06 F 9/44; G06 F 9/46; G06 F 17/50; G06 F 17/60

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw. D |
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| L1 and components and (sub-components or subcomponents or sub adj components) | 59 |

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| <u>L3</u> | L1 and components and (sub-components or subcomponents or sub adj components) | 59 | <u>L3</u> |
| <u>L2</u> | L1 and monitoring and components and (sub-components or subcomponents or sub adj components) | 41 | <u>L2</u> |
| <u>L1</u> | "automation system" | 5030 | <u>L1</u> |

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☐ 1. Document ID: US 20020059050 A1

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L4: Entry 1 of 1

File: PGPB

May 16, 2002

PGPUB-DOCUMENT-NUMBER: 20020059050

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020059050 A1

TITLE: System having a model-based user interface for operating and monitoring a device and a method therefor

PUBLICATION-DATE: May 16, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|------------------|----------------|-------|---------|---------|
| Hamadou, Mehdi | Erlangen | | DE | |
| Hoffmann, Werner | Herzogenaurach | | DE | |
| Meixner, Josef | Erlangen | | DE | |

US-CL-CURRENT: 703/13

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KINC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

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| L1 and "software model" and "virtual components" | 1 |

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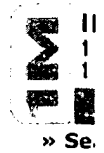
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1 Development of mobile robot system adaptive to sharp fluctuation of production volume
Hibi, H.;

Assembly and Task Planning, 2001, Proceedings of the IEEE International Symposium on , 28-29 May 2001

Pages:61 - 66

[\[Abstract\]](#) [\[PDF Full-Text \(324 KB\)\]](#) **IEEE CNF**
2 A case study for modelling and design of distributed automation systems
Ferrarini, L.; Veber, C.; Lorentz, K.;

Advanced Intelligent Mechatronics, 2003. AIM 2003. Proceedings. 2003 IEEE/. International Conference on , Volume: 2 , 20-24 July 2003

Pages:1043 - 1048 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(730 KB\)\]](#) **IEEE CNF**
3 The development of an intelligent and integrated gateway system for automation systems in power utilities
Kim, M.S.; Hyun, D.H.;

Transmission and Distribution Conference and Exhibition 2002: Asia Pacific. IEEE/PES , Volume: 1 , 6-10 Oct. 2002

Pages:2 - 5 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(460 KB\)\]](#) **IEEE CNF**
4 A sensor-based automation system for handling nuclear materials
Drotning, W.; Kimberly, H.; Wapman, W.; Darras, D.; Homan, D.; Johnson, P. Kast, B.; Kuhlmann, J.; Lennox, R.C.; Montoya, C.;

Robotics and Automation, 1997. Proceedings., 1997 IEEE International Confer

on , Volume: 1 , 20-25 April 1997
Pages:352 - 358 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(644 KB\)\]](#) IEEE CNF

5 A structured approach to the design and simulation-based testing of factory automation systems

Carpanzano, E.; Ballarino, A.;

Industrial Electronics, 2002. ISIE 2002. Proceedings of the 2002 IEEE International Symposium on , Volume: 1 , 8-11 July 2002

Pages:181 - 186 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(579 KB\)\]](#) IEEE CNF

6 Analysis of distributed systems based on intelligent devices

Bayart, M.; Staroswiecki, M.; Simonot-Lion, F.; Thomesse, J.P.;

Factory Communication Systems, 1995. WFCS '95, Proceedings., 1995 IEEE International Workshop on , 4-6 Oct. 1995

Pages:255 - 261

[\[Abstract\]](#) [\[PDF Full-Text \(556 KB\)\]](#) IEEE CNF

7 The development of a first pass verification module for a SAW filter design automation system

McCollister, M.J.; Richie, S.M.;

Ultrasonics Symposium, 1991. Proceedings., IEEE 1991 , 8-11 Dec. 1991

Pages:133 - 136 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(308 KB\)\]](#) IEEE CNF

8 Architectural models for global automation systems

Brugali, D.; Menga, G.;

Robotics and Automation, IEEE Transactions on , Volume: 18 , Issue: 4 , Aug. 2002

Pages:487 - 493

[\[Abstract\]](#) [\[PDF Full-Text \(359 KB\)\]](#) IEEE JNL

9 Installation of Hydro-Quebec's distribution feeder automation system

Nguyen, L.-Q.; Paradis, B.;

Power Delivery, IEEE Transactions on , Volume: 3 , Issue: 4 , Oct. 1988

Pages:1935 - 1941

[\[Abstract\]](#) [\[PDF Full-Text \(792 KB\)\]](#) IEEE JNL

10 Measurements in switched Ethernet networks used for automation systems

Vonnamme, E.; Ruping, S.; Ruckert, U.;

Factory Communication Systems, 2000. Proceedings. 2000 IEEE International Workshop on , 6-8 Sept. 2000

Pages:231 - 238

[\[Abstract\]](#) [\[PDF Full-Text \(644 KB\)\]](#) IEEE CNF

11 A distributed simulator for large networks used in building automation systems

Hunstock, R.; Ruping, S.; Ruckert, U.;

Factory Communication Systems, 2000. Proceedings. 2000 IEEE International Workshop on , 6-8 Sept. 2000

Pages:203 - 210

[\[Abstract\]](#) [\[PDF Full-Text \(728 KB\)\]](#) [IEEE CNF](#)

12 Performance evaluation of automation systems for the real time control of blowing machines

Vitturi, S.;

Emerging Technologies and Factory Automation, 2003. Proceedings. ETFA '03. Conference , Volume: 2 , 16-19 Sept. 2003

Pages:732 - 738 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(515 KB\)\]](#) [IEEE CNF](#)

13 The concept of distribution automation system in the Kansai Electric Power Co

Matsumoto, Y.; Oohashi, T.; Matsuura, Y.;

Power Engineering Society 1999 Winter Meeting, IEEE , Volume: 2 , 31 Jan-4 1999

Pages:850 - 853 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(220 KB\)\]](#) [IEEE CNF](#)

14 Progressive automation system for semiconductor manufacturing

Iwata, Y.; Shimoyashiro, S.; Masui, T.;

Semiconductor Manufacturing, 1995., IEEE/UCS/SEMI International Symposium on , 17-19 Sept. 1995

Pages:127 - 130

[\[Abstract\]](#) [\[PDF Full-Text \(236 KB\)\]](#) [IEEE CNF](#)

15 Fuzzy logic approach in a distributed plant automation system with intelligent front end controllers

Chandra, H.;

Industrial Automation and Control, 1995 (I A & C'95), IEEE/IAS International Conference on (Cat. No.95TH8005) , 5-7 Jan. 1995

Pages:115 - 120

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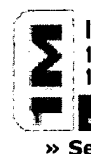
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Programming Models for Massively Parallel Computers, 1993. Proceedings , 20 Sept. 1993

Pages:35 - 42

[\[Abstract\]](#)[\[PDF Full-Text \(520 KB\)\]](#)**IEEE CNF****2 Software process modeling at SEI***Kellner, M.J.;*

Software Maintenance, 1988., Proceedings of the Conference on , 24-27 Oct. Pages:78

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| <u>L6</u> | L1 and "software model" | 8 | <u>L6</u> |
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| <u>L3</u> | L1 and components and (sub-components or subcomponents or sub adj components) | 59 | <u>L3</u> |
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| <u>L1</u> | "automation system" | 5030 | <u>L1</u> |

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| <u>L5</u> | L1 and "software model" and "virtual system" | 0 | <u>L5</u> |
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| <u>L3</u> | L1 and components and (sub-components or subcomponents or sub adj components) | 59 | <u>L3</u> |
| <u>L2</u> | L1 and monitoring and components and (sub-components or subcomponents or sub adj components) | 41 | <u>L2</u> |
| <u>L1</u> | "automation system" | 5030 | <u>L1</u> |

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| <u>L6</u> | L1 and "software model" | 8 | <u>L6</u> |
| <u>L5</u> | L1 and "software model" and "virtual system" | 0 | <u>L5</u> |
| <u>L4</u> | L1 and "software model" and "virtual components" | 1 | <u>L4</u> |
| <u>L3</u> | L1 and components and (sub-components or subcomponents or sub adj components) | 59 | <u>L3</u> |
| | L1 and monitoring and components and (sub-components or | | |

L2 subcomponents or sub adj components)

41 L2

L1 "automation system"

5030 L1

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☐ 1. Document ID: US 20040128120 A1

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L13: Entry 1 of 9

File: PGPB

Jul 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040128120

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040128120 A1

TITLE: Simulation method and apparatus for use in enterprise controls

PUBLICATION-DATE: July 1, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|-------------------|-------|---------|---------|
| Coburn, James D. | Cleveland Heights | OH | US | |
| Hoskins, Josiah C. | Austin | TX | US | |
| Brooks, Ruven E. | Shorewood | WI | US | |

US-CL-CURRENT: 703/26

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. Ds |
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☐ 2. Document ID: US 20040073404 A1

L13: Entry 2 of 9

File: PGPB

Apr 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040073404

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040073404 A1

TITLE: Mechanical-electrical template based method and apparatus

PUBLICATION-DATE: April 15, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|------------------|-----------|-------|---------|---------|
| Brooks, Ruven E. | Shorewood | WI | US | |
| Grooms, David W. | Delafield | WI | US | |

US-CL-CURRENT: 702/183

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 3. Document ID: US 20030182083 A1

L13: Entry 3 of 9

File: PGPB

Sep 25, 2003

PGPUB-DOCUMENT-NUMBER: 20030182083

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030182083 A1

TITLE: Diagnostics method and apparatus for use with enterprise controls

PUBLICATION-DATE: September 25, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|-------------------|-------|---------|---------|
| Schwenke, Marvin J. | Clinton Township | MI | US | |
| Sinclair, J. Andrew | Cleveland Heights | OH | US | |
| Hoskins, Josiah C. | Austin | TX | US | |
| Brooks, Ruven E. | Shorewood | WI | US | |

US-CL-CURRENT: 702/183

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
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☐ 4. Document ID: US 20020120921 A1

L13: Entry 4 of 9

File: PGPB

Aug 29, 2002

PGPUB-DOCUMENT-NUMBER: 20020120921

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020120921 A1

TITLE: SIMULATION METHOD AND APPARATUS FOR USE IN ENTERPRISE CONTROLS

PUBLICATION-DATE: August 29, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|------------------|-------------------|-------|---------|---------|
| COBURN, JAMES D. | CLEVELAND HEIGHTS | OH | US | |
| HOSKINS, JOSIAH | AUSTIN | TX | US | |
| BROOKS, RUVEN E. | SHOREWOOD | WI | US | |

US-CL-CURRENT: 717/140; 703/21, 717/106

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D |
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☐ 5. Document ID: US 20020078138 A1

L13: Entry 5 of 9

File: PGPB

Jun 20, 2002

PGPUB-DOCUMENT-NUMBER: 20020078138
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020078138 A1

TITLE: Control system architecture for a multi-component armament system

PUBLICATION-DATE: June 20, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|--------------|-------|---------|---------|
| Huang, Paul C. | Circle Pines | MN | US | |
| Khan, Omar A. | Minneapolis | MN | US | |
| Sleder, Albert JR. | Eagan | MN | US | |

US-CL-CURRENT: 709/203

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
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☐ 6. Document ID: US 6618856 B2

L13: Entry 6 of 9

File: USPT

Sep 9, 2003

US-PAT-NO: 6618856
DOCUMENT-IDENTIFIER: US 6618856 B2

TITLE: Simulation method and apparatus for use in enterprise controls

DATE-ISSUED: September 9, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-------------------|-------|----------|---------|
| Coburn; James D. | Cleveland Heights | OH | | |
| Hoskins; Josiah C. | Austin | TX | | |
| Brooks; Ruven E. | Shorewood | WI | | |

US-CL-CURRENT: 717/135; 700/86, 703/15, 703/22

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 7. Document ID: US 6556950 B1

L13: Entry 7 of 9

File: USPT

Apr 29, 2003

US-PAT-NO: 6556950
DOCUMENT-IDENTIFIER: US 6556950 B1

TITLE: Diagnostic method and apparatus for use with enterprise control

DATE-ISSUED: April 29, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|-------------------|-------|----------|---------|
| Schwenke; Marvin J. | Clinton Township | MI | | |
| Sinclair; J. Andrew | Cleveland Heights | OH | | |
| Hoskins; Josiah C. | Austin | TX | | |
| Brooks; Ruven E. | Shorewood | WI | | |

US-CL-CURRENT: 702/183; 700/83, 700/86, 705/8, 706/52, 707/103R

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| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw D |
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☐ 8. Document ID: US 6446055 B1

L13: Entry 8 of 9

File: USPT

Sep 3, 2002

US-PAT-NO: 6446055

DOCUMENT-IDENTIFIER: US 6446055 B1

TITLE: Process control

DATE-ISSUED: September 3, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|-----------------|-------|----------|---------|
| Grand; Stephen L. | Wells, Somerset | BA5 | 1AQ | GB |

US-CL-CURRENT: 706/10; 706/21, 706/47

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw D |
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☐ 9. Document ID: US 6268853 B1

L13: Entry 9 of 9

File: USPT

Jul 31, 2001

US-PAT-NO: 6268853

DOCUMENT-IDENTIFIER: US 6268853 B1

TITLE: Data structure for use in enterprise controls

DATE-ISSUED: July 31, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-----------|-------|----------|---------|
| Hoskins; Josiah C. | Austin | TX | | |
| Brooks; Ruven E. | Shorewood | WI | | |

US-CL-CURRENT: 700/83; 715/764, 715/965

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. De |
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L19: Entry 1 of 2

File: USPT

Aug 1, 1995

US-PAT-NO: 5438673

DOCUMENT-IDENTIFIER: US 5438673 A

**** See image for Certificate of Correction ****

TITLE: Automatic interface for CPU real machine and logic simulator diagnostics

DATE-ISSUED: August 1, 1995

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|------------|-------|----------|---------|
| Court; Thomas L. | Eau Claire | WI | | |
| Hsu; Lawrence T. | Eau Claire | WI | | |
| Rivers; Alan | Eau Claire | WI | | |

US-CL-CURRENT: 703/22; 714/38, 714/724

| | | | | | | | | | | | | |
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L19: Entry 2 of 2

File: DWPI

Aug 1, 1995

DERWENT-ACC-NO: 1995-275167

DERWENT-WEEK: 199536

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TITLE: Software simulation method for CPU design testing - involves identifying real machine and simulator functions and executing them accordingly in co-ordinated manner giving system diagnostic checkout

INVENTOR: COURT, T L; HSU, L T ; RIVERS, A

PRIORITY-DATA: 1990US-0569068 (August 17, 1990), 1993US-0113724 (August 27, 1993)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|---------------------|----------------|----------|-------|-------------|
| <u>US 5438673 A</u> | August 1, 1995 | | 007 | G06F009/455 |

INT-CL (IPC): G06 F 9/455

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| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Abstracts | Claims | RWC | Draw. De |
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| <u>L18</u> | 5438673.pn. | 1 | <u>L18</u> |
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| <u>L16</u> | L15 and automa\$8 | 0 | <u>L16</u> |
| <u>L15</u> | 5,483,673.pn. | 2 | <u>L15</u> |
| <u>L14</u> | L8 and virtual | 13 | <u>L14</u> |
| <u>L13</u> | automat\$6 near system and software near model and virtual near system | 9 | <u>L13</u> |

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| <u>L10</u> | automat\$6 and software and model and virtual | 20285 | <u>L10</u> |
| <u>L9</u> | automat\$6 and software and model and virtual | 0 | <u>L9</u> |
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| <u>L7</u> | "software model" and "virtual components" | 3 | <u>L7</u> |
| <u>L6</u> | L1 and "software model" | 8 | <u>L6</u> |
| <u>L5</u> | L1 and "software model" and "virtual system" | 0 | <u>L5</u> |
| <u>L4</u> | L1 and "software model" and "virtual components" | 1 | <u>L4</u> |
| <u>L3</u> | L1 and components and (sub-components or subcomponents or sub adj components) | 59 | <u>L3</u> |
| <u>L2</u> | L1 and monitoring and components and (sub-components or subcomponents or sub adj components) | 41 | <u>L2</u> |
| <u>L1</u> | "automation system" | 5030 | <u>L1</u> |

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L22: Entry 1 of 5

File: PGPB

Oct 9, 2003

PGPUB-DOCUMENT-NUMBER: 20030191615

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030191615 A1

TITLE: Synchronization of multiple simulation domains in an EDA simulation environment

PUBLICATION-DATE: October 9, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|------------------|-------------|-------|---------|---------|
| Bailey, Brian | Oregon City | OR | US | |
| Kehoe, Devon J. | Tualatin | OR | US | |
| Jones, Jeffry A. | West Linn | OR | US | |

US-CL-CURRENT: 703/13

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 2. Document ID: US 20020059050 A1

L22: Entry 2 of 5

File: PGPB

May 16, 2002

PGPUB-DOCUMENT-NUMBER: 20020059050

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020059050 A1

TITLE: System having a model-based user interface for operating and monitoring a device and a method therefor

PUBLICATION-DATE: May 16, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|------------------|----------------|-------|---------|---------|
| Hamadou, Mehdi | Erlangen | | DE | |
| Hoffmann, Werner | Herzogenaurach | | DE | |
| Meixner, Josef | Erlangen | | DE | |

US-CL-CURRENT: 703/13

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 3. Document ID: US 6584436 B2

L22: Entry 3 of 5

File: USPT

Jun 24, 2003

US-PAT-NO: 6584436

DOCUMENT-IDENTIFIER: US 6584436 B2

**** See image for Certificate of Correction ****

TITLE: Hardware and software co-simulation including executing an analyzed user program

DATE-ISSUED: June 24, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------------|----------------|-------|----------|---------|
| Hellestrand; Graham R. | Foster City | CA | | |
| Chan; Ricky L. K. | East Lindfield | | | AU |
| Kam; Ming Chi | Kingsford | | | AU |
| Torossian; James R. | Whale Beach | | | AU |

US-CL-CURRENT: 703/13; 703/14, 703/17, 703/21, 703/22, 703/27, 703/28

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 4. Document ID: US 6230114 B1

L22: Entry 4 of 5

File: USPT

May 8, 2001

US-PAT-NO: 6230114

DOCUMENT-IDENTIFIER: US 6230114 B1

TITLE: Hardware and software co-simulation including executing an analyzed user program

DATE-ISSUED: May 8, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------------|----------------|-------|----------|---------|
| Hellestrand; Graham R. | Foster City | CA | | |
| Chan; Ricky L. K. | East Lindfield | | | AU |
| Kam; Ming Chi | Kingsford | | | AU |
| Torossian; James R. | Whale Beach | | | AU |

US-CL-CURRENT: 703/13; 703/16, 703/17, 703/23, 714/28

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 5. Document ID: US 5991529 A

L22: Entry 5 of 5

File: USPT

Nov 23, 1999

US-PAT-NO: 5991529

DOCUMENT-IDENTIFIER: US 5991529 A

TITLE: Testing of hardware by using a hardware system environment that mimics a
virtual system environment

DATE-ISSUED: November 23, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------|----------|-------|----------|---------|
| Cox; Steven R. | San Jose | CA | | |
| Chue; Harry M. | Alameda | CA | | |

US-CL-CURRENT: 703/9; 703/13, 703/14

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | FIGS | Drawings |
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 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
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 IBM Technical Disclosure Bulletins

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| L24 | L23 and automat\$6 and software near model and virtual | 1 | L24 |
| L23 | 703/9.ccls. | 188 | L23 |
| L22 | L21 and automat\$6 and software near model and virtual | 5 | L22 |
| L21 | 703/13.ccls. | 686 | L21 |
| L20 | 09/771,631 | 1 | L20 |
| L19 | 5438673.pn. | 2 | L19 |
| <i>DB=USPT; PLUR=NO; OP=OR</i> | | | |
| L18 | 5438673.pn. | 1 | L18 |
| <i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR</i> | | | |
| L17 | "Automatic Interface For CPU Real Machine and Logic Simulator Diagnostics" | 0 | L17 |
| L16 | L15 and automa\$8 | 0 | L16 |
| L15 | 5,483,673.pn. | 2 | L15 |

| | | | |
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| <u>L12</u> | automat\$6 near system and software near model and virtual | 87 | <u>L12</u> |
| <u>L11</u> | automat\$6 and software near model and virtual | 463 | <u>L11</u> |
| <u>L10</u> | automat\$6 and software and model and virtual | 20285 | <u>L10</u> |
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| <u>L8</u> | "software model" and "virtual system" | 13 | <u>L8</u> |
| <u>L7</u> | "software model" and "virtual components" | 3 | <u>L7</u> |
| <u>L6</u> | L1 and "software model" | 8 | <u>L6</u> |
| <u>L5</u> | L1 and "software model" and "virtual system" | 0 | <u>L5</u> |
| <u>L4</u> | L1 and "software model" and "virtual components" | 1 | <u>L4</u> |
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| <u>L2</u> | L1 and monitoring and components and (sub-components or subcomponents or sub adj components) | 41 | <u>L2</u> |
| <u>L1</u> | "automation system" | 5030 | <u>L1</u> |

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Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 5991529 A

Using default format because multiple data bases are involved.

L24: Entry 1 of 1

File: USPT

Nov 23, 1999

US-PAT-NO: 5991529

DOCUMENT-IDENTIFIER: US 5991529 A

TITLE: Testing of hardware by using a hardware system environment that mimics a virtual system environment

DATE-ISSUED: November 23, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------|----------|-------|----------|---------|
| Cox; Steven R. | San Jose | CA | | |
| Chue; Harry M. | Alameda | CA | | |

US-CL-CURRENT: 703/9; 703/13, 703/14

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|----------|------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequence | Attachment | Claims | KIMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|----------|------------|--------|------|--------|

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